IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Stacy S. Cook et al.

Serial No.: 09/752,092

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Examiner: Houshang Safaipour

Group Art Unit: 2622

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Technology Center 2600

Title: Automatic Surface Deviation Detector And Method Of Use

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Signature

Dear Sir or Madame:

This is a response to an Office Action mailed July 28, 2004, by the United States Patent and Trademark Office (the Office). The Applicants request reconsideration of the above-identified application in view of the amendments and remarks presented herein.

Amendments of the Claims begin on page 2 of this correspondence.

Remarks begin on page 9 of this correspondence.

Conclusions begin on page 15 of this correspondence.